

25 March 1963

MEMORANDUM FOR: Director of Central Intelligence

SUBJECT : Focal Length of OXCART Cameras

1. The Perkin-Elmer camera has an 18" focal length but a very high quality optical system which hopefully will give approximately 1' resolution.

2. The Eastman Kodak camera has a 21" focal length with a somewhat sturdier optical system and hopefully will obtain about 2' or perhaps a little less resolution.

3. The Hycon camera has a 48" focal length and hopefully should give a resolution of about 1'. This camera is suitable for use in the U-2 as well as the OXCART vehicle.

4. Both the Eastman Kodak and Perkin-Elmer cameras have been flight-tested on many occasions in the OXCART vehicle and have operated quite successfully. However, the critical tests will only occur when the vehicle can operate at Mach 3.2 and we determine the thermal characteristics of the system. The first Hycon camera will not be available until August with initial testing soon thereafter.

5. There is also a back-up version of the U-2 B camera for possible use in the OXCART vehicle in the event that all other systems fail.

Signed Herbert Scoville, Jr.

HERBERT SCOVILLE, JR.
Deputy Director
(Research)

cc: DDCI

ODDR:HScoville:jlj

25X1A

#1 - DCI

#2 - DDCI

#3 -

DD/OSA via AD/OSA

#4 & #5 - DDR Files